



NITE-TIMES NEWS

CHICAGO AREA TIMEX USERS GROUP

Chicago Area Timex Users Group
Volume 5, Number 5

Downers Grove, Illinois
September/October 1991

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C.A.T.U.G. CLUB OFFICERS

Here is the list of 1991 club officers and how to contact them. The club has two strong SIGS, SPECTRUM/TS2068 and QL. If you have questions about either of these fine machines or even the ZX81/TS1000/TS1500 call one of the officers. C=312, S=708.

POSITION	NAME	PHONE	PRIMARY FUNCTION
President	Nazir Pashtoon	S439-1679	The buck stops here...
Vice-President	Steve Cooper	S968-3553	Meeting Planning, etc.
Secretary	John Donaldson	S232-6147	Records and Reporting
Treasurer	Al Feng	S971-0495	Dues and Purchasing
Editor	Bob Swoger	S576-8068	Newsletter, BBS, etc.

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NITE-TIMES news

Volume V, Number 5

1

September/October 1991

Nite-Times Information

The Nite-Times News is the newsletter of the Chicago Area Timex Users Group. For an annual fee of \$12.00 you can become a CATUG member with full membership privileges. Send your dues to:

CATUG TREASURER AL FENG
15 WAKE ROBIN CT
WOODRIDGE IL 60517-1751

The Chicago Area Timex Users Group is pleased to exchange newsletters with other Timex and Sinclair supporting users groups at no charge. Send all newsletter requests to:

CATUG EDITOR BOB SWOGER
613 PARKSIDE CIRCLE
STREAMWOOD IL 60107-1647

If you desire to reprint any articles that appear here, please provide credit to the author and this newsletter.

We encourage your user group to copy this newsletter and distribute it at your regular meetings to your members free of any charge as we believe that this will encourage better meeting attendance. If you are a user group that feels as we do, please let us know in your newsletter so that we might do this for our members and keep our attendance up.

Articles originating from our group may be downloaded from our BBS and reprinted.

CONTRIBUTORS TO THIS ISSUE

Al Feng
John Impellizzeri
John Donaldson
Bob Swoger, K9WVY

CLUB MEETINGS

The Chicago Area Timex Users Group meets on the THIRD Saturday of each month at the home of our meeting coordinator Steve Cooper in Downers Grove, Illinois from 1:00 to 5:00 PM.

Steve's home is lovingly called the CLUB HOUSE and is located at 1300 Maple Street in Downers Grove just 2 blocks southwest of the Downers Grove Public Library. Steve should be contacted evenings at 708/968-3553. to confirm the meeting schedule.

When visiting be careful of the Dutch Doooooooooooooooooooo.....

FROM THE EDITORS DISK

!!! MISSING NEWSLETTERS !!!
USER GROUPS
!!!!!! PLEASE HELP US !!!!!!!

Your newsletters are important to us. Sometimes the mighty mail carriers of the US do not get your newsletters to our group. TWO newsletters that come to mind was the back page only! of the SMUG newsletter which arrived right around last Christmas and a wrinkled but usable LISTing newsletter in a plastic bag with an apology from the US Post Office. (Norm?)

PLEASE SEND US ANOTHER COPY of your missing newsletters so that we may share with our members the following:

DATA BUS	MAY 91
THE HACKER	MAY 91
ISTUG	JUL/AUG 1990
	MAR/APR 1991
LISTing	MAR thru SEP 1991
SMUG	V7 N12
SWYM	V6-N3
	V6-N4
QZX	V7 N11 OCT89
	V8 N12 NOV90
	V9 N11 OCT91

If the same thing has happened to your group in regards to our newsletters, please let us know and we will forward ours to you. SEND TO:

BOB SWOGER
613 PARKSIDE CIR
STREAMWOOD IL 60107-1647

Bob Swoger, Editor
Chicago Area Timex Users Group

TREASURY NOTES

Our balance stands at \$238.13.
Our current paid membership
stands at 16.

Al Feng, Treasurer
Chicago Area Timex Users Group

SECRETARY'S NOTEPAD

September 14, 1991

The picnic/meeting took place at the home of Bob and Annette Swoger of Streamwood, Illinois. Those present were Messrs. Brezina, Kahale, Sauter, Swoger and many members of the Glenside Color Computer Club which sponsored the event.

Though the weather threatened in the morning, it was dry all afternoon and a good time was had by all. Of greater threat was the presence of yellow jackets, which had been around all summer at Bob's home. We were warned but with the many older children there the yellow jackets were sent running when the president of the Glenside Club brought out two electric start PROPANE TORCHES. Whenever the little beasts lit on any food or beverage cans they got an instant hot foot which sent them running. It seemed the young boys rather enjoyed this sport more than the games provided by the Swoger family! The picnic broke up at 7 PM.

October 23, 1991

The meeting was called to order at 2:05PM. Those present were Messrs. Brezina, Cooper, Donaldson, Feng, Kahale, Mills, Pashtoon, Sauter and Swoger.

A first try at burning both 16Kx8 and 32Kx8 system EPROMs for TS2068 and Spectrum operation - as modified by Jack Dohany - was exhibited by Bob Swoger. Jack made updates to both EPROMS making the TS2068 and Spectrum equals but in doing the TS2068 mod, he relocated the DElete command

and this causes problems with LogiCall. So now Bob will have to cope with the ripple effect. If it plays well in Streamwood, he'll be "sending some money to the man", as he puts it. 16K versions were handed out to Jim Brezina who has one of the Zebra cartridges purchased at Dayton and to Frank Mills to try in the EPROM holder atop his LarKen DOS board.

Abed Kahale and Bob Swoger met between CATUG meetings and had a very productive time learning from each other. This caused then to wonder why this same kind of interaction isn't happening in CATUG meetings. Of course, the QL fans took some of the blame: divided loyalties, etc., until Nazir pointed out that what they were doing was what SIGs (Special Interest Groups) used to do before our ranks shrank and we were left with just General Meetings. A proposal was made that we schedule meetings to deal with 2068s exclusively in one month and QLs exclusively in the next, and so forth. The idea was doomed from the start because every indication was that we'd end up with a two platoon system where the 2068ers and the QLers would attend in alternate months and never get together.

Bob explained that he'd really like to know more about the QL at meetings but because we quite often mount a two-ring circus when the computers are fired up, he gets drawn away to the TS2068 group and loses his chance to explore the QL.

But a compromise was reached. Hereafter, during the business meeting, those who will put on a demo will give a five or ten minute description of what will be covered. This way, something that catches your interest won't be overlooked while playing with your favorite computer.

Good news! We have a new member, John Impellizzeri from Utica, Michigan. He has both QL and TS1000 computers. The

welcome mat is ready any time you can visit, John.

Nazir had to tell this one: A fellow advertised his mint condition ZX80 computer on Compu-Serve for \$25. He got a long distance call from Sweden offering him \$250!! Since the conditions included shipment by courier, it cost about \$70 to ship it but, hey, that's not a bad price, anyway! The unit was the original ZX80 model with the 4K ROM and from every indication, this was being purchased for a museum.

In addition, he tells us that the QUANTA library has grown by 57 volumes!

Swoger circulated a copy of the November 1991 Rainbow magazine with what he thinks the next QL might look like. It's a 68070 machine with IBM-type hardware complete with tower designed by Frank Hogg. It has hard drive plus both floppies. In the September 1991 issue, DELMARS SYSTEM 4 emulates a 6809 with a 68000 processor. Bob thinks one of these could be the platform some QL fans in Europe are searching for. It is his hope that the machine could serve both CoCo users and QL users. If so, it gives Mr. Hogg's TC-70, IMSS MM-1 and DELMAR two special interest markets.

The meeting was adjourned at 3:03PM.

Following the meeting, there was a demo of the Dohany-enhanced EPROMs.

John Donaldson, Secretary
Chicago Area Timex Users Group

NEWS ITEMS

It was announced that Frank Davis's Mechanical Affinity will advertise in the next Update magazine that he has a number of Gold Cards for sale. Watch for it!

~~~~~  
In the QL world, Nazir reports that some wonderful work is

being done at Holland's Delft University of Technology, in particular by a Professor Tannenbaum who contributed the Minix operating system - which mimics the UNIX (TM) system - to the public domain. He's hoping to see a copy in the near future.

~~~~~  
In the same circle of people, he goes on, someone has written a C compiler for public domain which compares with others going for thousands of dollars. And comprehensive documentation for both of the above will be forthcoming.

INPUT/OUTPUT

John Impellizzeri writes:

Thanks for the letter about the CATUG newsletters, I look forward to receiving them. My system consists of the QL with 640K, Cumana disk interface, dual 5.25" drives, Magnavox RGB monitor, Seikosha SP-1200 printer, Qflash and Speedscreen cartridges. This is my main system, my ZX81/TS1000 is really only for playing around for 'old times sake'. I just joined QUANTA and obtained the library and am still going through it. I also have a modem and call a few BBS's occasionally. I also subscribe to CompuServe although the T/S section there hasn't seen much action lately. (My ID# is 75206,1565).

[Welcome to CATUG, John. Why not try our board soon? Pass along your phone number and I will let you know all the login info. Ed.]

John Impellizzeri
45294 Universal CT
UTICA MI 48317

GATOR's TWISTED PAIR

~~~~~  
!!! REMEMBER !!!  
We now have a 24 hour BBS and encourage you to exchange mail and contribute to the Download Section. Use it and have fun!



The board has become semi-private at this time. Please call Bob Swoger at 708/576-8068 for information as to how to log on.

Bob Swoger, SYSOP  
Chicago Area Timex Users Group

#### ITEMS FOR SALE THROUGH THE CLUB

-----  
It has come to our attention that some LarKen Users are using something less than Version 3 firmware. The club will supply updated EPROMs, SYSTEM DISKS, and MANUALS for just \$5 which includes shipping and handling, free if ordered with LogiCall or Spectrum ROM.

=====

If you are a LarKen LK-DOS owner and would like a SPECTRUM V2 kit for your system we will supply an EPROM, socket and 74HCT32 for \$12 which includes shipping and handling. The install instructions are in your LarKen manual. We shall not be responsible for your install job. AERCO owners need only the SPECTRUM EPROM for \$10

=====

If you have a mismatch between you LarKen DOS EPROM and your Western Digital Controllor chip, we will send you the correct one for free on behalf of our friends Rod Gowen of RMG and Larry Kenny of LarKen.

Call in requests to Bob Swoger at W708-576-8068 H708-837-7957

#### SPECIAL DEALS AND BUYS

-----

NAP\_Ware (Nazir A. Pashtoon's new endeavor) announces the availability of all Timex or QL PAL (Programmable Array Logic) chips. If interested, call him evenings on 708-439-1679.

=====

LogiCall Integrated Software Ensemble easy operating system for TS2068 and Spectrum includes LogiCall 4.7 TASWORD II V2.6 VU-CALC VU-FILE and MTERM2 Drivers modified for LogiCall, DISKS.B1 TAPES.B1

steprt.B1 HEADER.BT (tape header reader by Nazir Pashtoon) FORMAT.B MOVE.BL and more all on 2 SSDD disks for \$5. You must specify your LK-DOS EPROM version. If you already have a copy you are encouraged to distribute copies to other LarKen LK-DOS users for as you see by the price we are not in the business of making money on it, just making LarKen's LK-DOS the BEST!

=====

So you like to fly? The 747 Flight Simulator for Spectrum by Derek Ashton of DACC sold over 40K copies in EUROPE. Requires Spectrum Emulator. At this time supplied on LarKen SSDD or DSQD disk only for \$10 which goes to Derek Ashton now working at MOTOROLA, INC., Schaumburg, IL.

Call in requests to Bob Swoger at W708-576-8068 H708-837-7957

=====

Want to try MS-DOS first before you switch? Try QLUmSi DOS, the MS-DOS SIMULATOR on your QL first.  
QLUmSi (disk/specify) .....\$15

Try Al's Side-Kick on your QL. It is an AOS like LogiCall on the TS2068 and can make your life on the QL a lot easier [you may never lust for MS-DOS again!]  
QLUSTer (disk/specify) .....\$10

CALL: Al Feng H(708) 971-0495

## ARTICLES

#### FORM LETTER NAME MERGE

by  
Bob Swoger

Many friends have been sending letters in their Christmas cards telling us of the years events. Annette, my wife, has caught on to this idea but wanted to do it a little bit different. What she wanted was to give the letter the personal touch, namely, adding the name of each friend and family member to the letter.

No problem, that should be easy for Tasword Two. Each TASWORD Two document that has no imbedded printer control characters will have 64 characters in each line, and so on, quite predictable. The second line will begin with the 65th character in the file. If we put the date on the first line and "Dear" at the beginning of the second line, then "Dear" will be at 33280+64 or 33344 and we will put the name at 33349.

#### TO USE:

To be sure you have sufficient room on the current disk to save all the new files, start with a freshly formatted disk with only this program and the form letter on it. [Of course LogiCall and AUTOSTART also for LarKen users.]

Load the program, it begins with a HELP screen to remind you of some details.

This program now accepts names from the keyboard to load into a form letter. Input names to go after the 'Dear' in the form letter.

Enter 'H' at the prompt to see this help file again.

Press ENTER at the prompt to end inputting.

The program now loads in a form letter, puts in a name, then saves the file.

It repeats this as many times as the number of names inputted.

When the program is done running, press CONTINUE to return to LogiCall.

Use Tasword Two to print the newly created files.

```

10 REM MAILME.B1 ©1991 for PD
    by Bob Swoger
20 CLEAR 33279: BORDER 1: INK
9: PAPER 1: LET g$="": GO SUB 39
0: CLS
30 REM set variables
40 LET a=64*66
50 LET b=33280

```

```

60 POKE 23658,0
70 LET h=100
80 REM collect names
90 INPUT "Name? ";a$
100 IF a$=" STOP " OR a$="stop"
    OR a$="STOP" OR a$="quit" OR a$
    ="QUIT" OR a$="Q" OR a$="S" OR a
    $="" THEN GO TO 150
110 IF a$="H" OR a$="h" OR a$="
    ?" THEN GO SUB 390: GO TO 90
120 LET g$=g$+a$+", "
130 PRINT AT 0,0;g$
140 GO TO 90
150 REM place names into form
160 LET n=1
170 LET p=0
180 CLS
190 LET f=33349
200 LET n$=""
210 POKE VAL "23728",h: RANDOMI
ZE USR h: LOAD "form.CT"CODE b
220 LET p=p+1: POKE f,CODE g$(p
)
230 IF g$(p)=", " THEN GO TO 270
240 LET n$=n$+g$(p)
250 LET f=f+1
260 GO TO 220
270 REM SAVE letter with name
280 LET n$=n$+"      "
290 LET f$=n$( TO 4)+STR$ n+".C
T"
300 RANDOMIZE USR h: SAVE n$( T
O 4)+STR$ n+".CT"CODE b,a
310 PRINT "text file ";f$;" sav
ed: ";a;" bytes, ",a/64;" lines"
320 LET n=n+1
330 IF p=LEN g$ THEN GO TO 350
340 GO TO 190
350 PAUSE 0: CLS
360 RANDOMIZE USR 100: CAT ".CT
",
370 STOP : GO TO 440
380 REM Help file
390 CLS : PRINT " This program
accepts names from the keyboard
to load into a form letter. The f
orm letter must be on the curren
t disk.

```

- 1.) Be sure you have sufficient room on the current disk to save all the new files.
- 2.) Input names to go after the 'Dear' in the form letter.
- 3.) Just hit ENTER at the prompt to end inputting.
- 4.) The program will now create all the form letters.
- 5.) Use Tasword Two to print the newly created files.
- 6.) Enter 'H' at the prompt to see this help file again.

400 PRINT #0; " Press ENTER to Continue": PAUSE 0: CLS : PRI

```

NT g$: RETURN
410 STOP
9989 REM SAVE prog to disk
9992 RANDOMIZE USR 100: SAVE "MA
ILME.B1" LINE 20
9998 RANDOMIZE USR 100: LOAD "L.
B1"

```

**TRA\_BAS 1.2**  
**RS-232 TRANSLATION**  
 by Al Feng

TRA\_BAS 1.2 is an enhancement of Jan Bredenbeek's TRAl\_bas program (October 1986 QUANTA) and my subsequent TRA\_BAS 1.1 (QUANTUM LEVELS).

Where the on-screen prompts of TRAl\_bas tended to be opaque, I have tried to make them easier to follow for the end user.

I have modified the "tra\_" extension so that it is now a suffix (i.e., '\_tra') to facilitate file recognition; and, I have added the facility to NAME the file on an ad hoc basis. Also, the current version (1.2) allows you to SAVE the new extension on any valid storage device attached to your QL.

The "CODE to be changed" requested is the old ASCII CODE (INPUT "27" to end the session).

The "number (1-3) of replace CODEs" allows the user to send multiple CHR\$ in place of the original implementation (the total allowable is determined by the DIM statement and loop1).

The REPLACE\_CODE is the "new" CODE(s) that you want sent via SER1 (or, any device you later specify).

The information is reLOAded and used by including the following lines in your new boot and/or program.

```

xx2 a=RESPR(###)
xx4 LBYTES flp1_codename_tra,a
xx6 TRA a

```

After the extension is SAVED, the cursor will appear in the

lower left hand corner of your screen. Either type in RUN (to create another extension set), or reset your QL.

[NB: Unless you LRESPR your CODE; in particular, you should write/SAVE the RESPR(###) data indicated above in "LINE xx2" on a piece of paper to implement the extension in a future program].

If you have Dr. Howard Clase's EPSCOM\_FOUNT\_bas (old QUANTA LIB\_29) you can modify the QLWP (or, QUILL) program for use as a foreign language word processor in tandem with an IBM WHEELWRITER and the appropriate foreign language printwheel.

It is more than likely that you will find it convenient to use the TRA\_bas program to "correct" the serial output of the "{ } [ ]" keys. Remember to execute the appropriate "language code" on your WHEELWRITER prior to shifting into printer mode.

Another use for the program which was suggested by Peter Hale is to TRANslate ConTROl key combinations into ESCape sequences.

Thus, you may choose to make a "CTRL I" sequence send the ESCape sequence to your printer for initializing italics. I have not tried this; and, if I have incorrectly described the process, then you should consult Peter Hales article in QUANTUM LEVELS.

Many thanks to Jan Bredenbeek, Dr. Howard J. Clase, and Kees van der Wal for making foreign language word processing possible for QL users. And, thanks, too, to Peter Hale for describing a method to add more functionality to the Quill word processing program.

HAPPY TRAILS,  
AND COMPUTING,  
TO YOU!

```

100 REMark *****
110 REMark *   TRA1 BAS 1.2 *
120 REMark *   RS-232 *
    * translations *
130 REMark * Jan Bredenbeek *
    * (1986 April 13) *
140 REMark *   @mended *
    * by Al Feng *
    * PLATYPUS Software*
150 REMark *****
160 OPEN#5,SCR 512X255a0X0:
    PAPER#5,7:CLS#5
170 OPEN#6,SCR 455X44a29X7:
    PAPER#6,7: BORDER#6,1,7:
    INK#6,2
180 MODE 4:
185 WINDOW 450,186,30,51:
    PAPER 5:INK 0
190 :
200 DIM v(3)
210 start=RESPR(1024)
220 POKE_W start,19195:
    REMark $4AFB
230 table_a=start+6:
    table_b=start+262
240 POKE_W start+2,
    table_a-start: POKE_W
    start+4, table_b-start
250 FOR i=0 TO 255: POKE
    table_a+i,i
260 pointer=table_b+i
270 ncodes=0
280 CLS:CSIZE 0,0
290 CLS#6: PRINT#6\\,
    " RS-232 translations
    (TRA-command) by Jan
    Bredenbeek"
300 PRINT#6\\,"INPUT ";;
    INK#6,5: PRINT#6, "<";:
    INK#6,2: PRINT#6," 27 ";;
    INK#6,5: PRINT#6,">";:
    INK#6,2: PRINT#6,
    " to STOP/SAVE CODE when
    finished with ALL changes"
310 REPEAT loop
320 INPUT\\,
    "CODE to be changed: "!a$
330 IF a$=27 THEN GO TO 540
340 IF a$="" THEN EXIT loop
350 REPEAT loop1
360 INPUT
    " Number of replace
    CODEs (1-3) ?: "!n
370 IF n>0 AND n<4 THEN EXIT
    loop1
380 END REPEAT loop1
390 FOR i=1 TO n
400 INPUT\\,
    " REPLACE_CODE"!(i);"?:
    "!v(i)
410 END FOR i
420 IF n=1 THEN
430 POKE table_a+a$,v(1)
440 ELSE
450 POKE table_a+a$,0

```

```

460 POKE pointer,a$
470 FOR i=1 TO n: POKE
    pointer+i, v(i)
480 ncodes=ncodes+1
490 pointer=pointer+4
500 END IF
510 END REPEAT loop
520 POKE table_b,ncodes
530 TRA start,0
540 CLS:INPUT\\," Name of
    Data CODE to be saved:"
    !name$
550 INPUT\ " Device
    (e.g., 'flp1'):" !device$
560 IF LEN (device$)<4 THEN
    GO TO 550
570 SBYTES device$ & " " &
    name$ & "_tra" , start,
    pointer-start
580 PRINT\\,"You may reload
    your TRA_codes with (e.g.,
    include in BOOT):"
590 PRINT\\," xx0 a=RESPR("
    ;pointer-start;)"
600 PRINT,, " xx2 Lbytes
    ";device$ & " " & name$ &
    "_tra,a"
610 PRINT,, " xx4 TRA a"
620 REMark ***[JAN 91]*****

```

NOTE: This program [plus, its TURBO-compiled version TRA\_EXE] is also available on the CATUG Public Domain Library Disk.

The disk charge is \$2.00 which covers the cost of the medium & postage. Specify 5.25" or 3.5" disk.

## ADS

-----  
To put an AD in the Computer related section of the BBS, put a file in your account with the filename.filetype: COMPUTER.ADS  
!!! Our ADS are free !!!

FOR SALE: ON 911015  
\*\*\*\*\*  
QL Complete System .....\$80  
Gold Card for the QL ..... \$500  
Call Frank Davis H317-473-8031

FOR SALE: ON 911015  
\*\*\*\*\*  
For the AMIGA 500:  
Plattimum Scribble..... \$40  
Deluxe Paint..... \$25  
Walt Armstrong H407-433-8822



FOR SALE: ON 920102  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 128K QL W/ MINERVA 1.66 ROM and  
 ENHANCED KEYBOARD .....\$95  
 MIRACLE 512K EXPANDERAM (QL) ..  
 .....\$125  
 SPEEDSCREEN ROM (w/ RAM code on  
 1 mdv) .....\$45  
 NUCLEON (2 mdv) .....\$15  
 INTEGRATED ACCOUNTS (on 3 mdv)  
 .....\$45  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 %  
 % ALL ABOVE ITEMS: \$250 %  
 %  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 %  
 % ALL PRICES NEGOTIABLE %  
 %  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 CALL: Al Feng H(708) 971-0495

FOR SALE: ON 911025  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 FOR SALE: TIMEX 2068, excellent  
 condition, \$65.00. Oliger disk  
 interface, controller and  
 expansion board with manual,  
 \$11.00. Both for \$165.00.  
 D. G. Smith, R.415 Stone St.,  
 Johnstown, PA 15906.

FOR SALE: ON 911025  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 I have a Sinclair ZX81 with  
 64K Memotech RAM, enhanced  
 keyboard and 300 baud Byte-Back  
 modem. I also have a TS2068  
 with modem, printer, and  
 Spectrum cartridge, along with  
 a dozen old programs from  
 Quicksilver and the like, for  
 both machines. Both are in  
 working order and excellent  
 condition. Make an offer on the  
 whole kit and kaboodle.

Peter Paglia  
 8802 Partridge Run  
 Chapel Hill NC 27516

FOR SALE: ON 911010  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 CoCo 1 W/64K AND PRO KYBRD . \$20  
 J&M Controller .....\$65  
 Dual TEAC Disk Drives .....\$80  
 Joysticks .....\$10  
 The whole package with software  
 and manuals: .....\$125  
 CALL TONY SOKOL H708-428-4058

FOR SALE  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 Commodore 64 computer with some  
 software, Commodore 1541

single-sided drive. Package  
 deal-all of above for \$40 or  
 best offer. Dottie Danca  
 708-837-6333 after 5 P.M.

FOR SALE  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 Atari 800 computer w/software,  
 Atari 410 tape cassette, Atari  
 810 single-sided drive, & Atari  
 1050 single-sided drive.  
 Package deal-all of above for  
 \$65 or best offer. Dottie Danca  
 708-837-6333 after 5 P.M.

FOR SALE: ON 910912  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 4 - 256K 80 nS SIMMS IBM TYPE  
 1 MEGABYTE TOTAL  
 \$15/ea or \$50 for all 4  
 Call MIKE WARNS  
 W708-982-2107 H708-627-9561

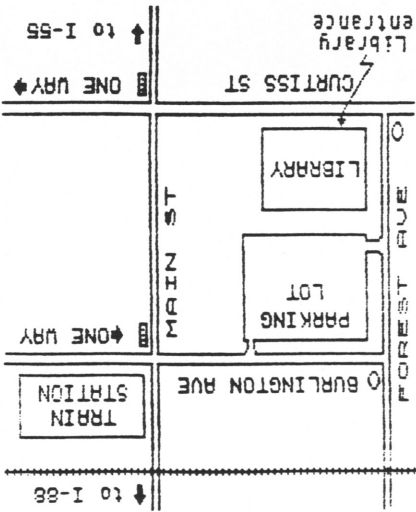
FOR SALE: ON 910426  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 COLOR COMPUTER 3 - DISK DRIVE  
 CM-8 COLOR MONITOR W/PLATFORM  
 SMITH CORONA TP-1 PRINTER  
 JOYSTICK AND 1 DOZ BLANK DISKS  
 SOFTWARE INCLUDES DESK MATE  
 HOME PUBLISHER \$400 OR BEST  
 312-337-3624

FOR SALE: ON 910107  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 MAC PLUS SYSTEM INCLUDES 2.5 M  
 RAM 30 MEG HARD DRIVE W/SCSI  
 CABLES ( SEAGATE DRIVE, 40 MS)  
 800K EXTERNAL FLOPPY DRIVE ALL  
 WITH ORIGINAL MANUALS AND SHIP-  
 PING BOXES AND DISKS. SOFTWARE  
 INCLUDES SYSTEM 6.0.4,  
 FULLWRITE PROFESSIONAL  
 (EVALUATION COPY, FULL FUNCTION,  
 MANUALS, SHORT CUT CARD, DISKS,  
 AND UPGRADEABLE (WITH UPGRADE  
 NOTICE TO VERSION 1.5))  
 FULLPAINT W/COLORPRINT  
 SHAREWARE GAMES LETTERS OF  
 REGISTRATION TRANSFER FOR ALL  
 HARDWARE AND SOFTWARE MOUSEPAD  
 AC POWER SWITCH BOX W/SURGE AND  
 RFI/EMI PROTECTION EXTRAS  
 ASKING \$2000 CALL DENNIS PRICE  
 H708-952-0727 W708-576-0901

WANTED: ON 911122  
 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  
 Trump Card or other memory  
 expansion and/or disk inter-  
 face for the QL.

D. G. Smith, R.415 Stone St.,  
 Johnstown, PA 15906.

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